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Amendments to the Claims

The listing of claims presented below replaces all prior versions, and listings, of claims in the application.

Listing of claims:

1. (currently amended) An implant for an osteosynthesis device, in particular for the spine, the implant comprising:

a first assembly [[(I)]] comprising:

a fixing body [[(5)]] for a bracing rod [[(3)]], said body being arranged to present a reception housing [[(6)]] for receiving an anchor screw head [[(7)]], thereby defining a ball joint between the anchor screw [[(2)]] and the fixing body;

a positioning ring [[(21)]] for interposing between the anchor screw head [[(7)]] and the bracing rod [[(3)]];

and a second assembly [[(II)]] comprising a nut type system [[(33)]] for fastening the bracing rod (3) to the fixing body [[(5)]],

the implant being characterized in that further comprising:

the first assembly [[(I)]] has a positioning ring [[(21)]] mounted in the fixing body [[(5)]] with freedom to move in limited linear displacement and allowing the body and the anchor screw to rotate freely relative to each other in the absence of the bracing rod [[(3)]]; and

the second assembly [[(II)]] has a nut type system [[(33)]] adapted on being screwed onto the body to bear against the bracing rod [[(3)]] and move the positioning ring [[(21)]] in linear manner so that on being tightened it clamps the bracing rod [[(3)]] between said system and the positioning ring [[(21)]], and also clamps the anchor screw [[(2)]] between the positioning ring [[(21)]] and the fixing body [[(5)]].

2. (currently amended) An implant according to claim 1, characterized in that wherein:

the fixing body [[(5)]] has two side branches [[(13)]] defining a channel [[(14)]] between them that opens out on either side of the body in order to receive the bracing rod [[(3)]], the side branches [[(13)]] having outside walls [[(34)]] that are threaded; and

the fastening system [[(II)]] comprises a nut [[(33)]] adapted to be screwed onto the outside threaded walls [[(34)]] of the side branches [[(13)]], the nut [[(33)]]

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being fitted in its diametral zone with a shoe [[(36)]] mounted to rotate freely and designed to come to bear against the bracing rod [[(3)]] so that when tightened it clamps said shoe [[(36)]] and the positioning ring [[(21)]].

- 3. (currently amended) An implant according to claim 1, characterized in that wherein the positioning ring [[(21)]] presents a concave surface [[(28)]] complementary to the bracing rod [[(3)]] and is guided to slide in such a manner that the concave surface defines a portion of the reception channel [[(14)]] for receiving the bracing rod so as to ensure that the bracing rod [[(3)]] is positioned automatically between the side branches [[(13)]] and on the positioning ring [[(21)]].
- 4. (currently amended) An implant according to claim 3, characterized in that wherein the positioning ring [[(21)]] is guided to move with limited linear displacement relative to the fixing body [[(5)]] by means of a guide peg [[(24)]] co-operating with a complementary bore.
- 5. (currently amended) An implant according to claim 2, 3 or 4, characterized in that wherein the positioning ring [[(21)]] presents a through opening [[(27)]] opening out between the side walls [[(13)]] and over the head [[(7)]] of the anchor screw in which there is provided a blind hole [[(9)]] suitable for receiving a screw-driver tool passing through the opening [[(27)]].
- 6. (currently amended) An implant according to claim 1, 2 or 4, characterized in that wherein the fixing body [[(5)]] comprises:

a fixing head [[(11)]] on which there stands the two side branches [[(13)]] and in which there is arranged a cavity [[(12)]] opening out at one end between the side branches [[(13)]] and opening out at its opposite end;

the positioning ring [[(21)]] mounted to move with limited displacement inside the cavity [[(12)]] with its surface for receiving the bracing rod opening between the two side branches;

the head [[(7)]] of the anchor screw [[(2)]] mounted at least in part inside the cavity [[(12)]] so that the positioning ring [[(1)]] is interposed between said head [[(7)]] and the body [[(5)]]; and

a closure cup [[(29)]] fixed on the fixing body [[(5)]] on its inside face to close the cavity [[(12)]] and having the anchor screw passing threrethrough.

7. (currently amended) An implant according to claim 1 or claim 5, characterized in that, wherein the positioning ring [[(21)]] and the closure cup [[(29)]] present partly-

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spherical bores [[(22, 30)]] so as to define the reception housing [[(6)]] for receiving the head [[(7)]] of the anchor screw.

- 8. (currently amended) An implant according to claim 1, characterized in that wherein the nut [[(33)]] has a shoe [[(36)]] of width adapted to co-operate with the nut to define on either side of the shoe two gaps [[(37)]] serving firstly to receive the two pins of a tool for taking hold of the nut, and secondly to pass the side branches [[(13)]] of the fixing body in order to enable said shoe [[(36)]] to slide between the side branches [[(13)]].
- 9. (currently amended) An implant according to claims 2 and 8, characterized in that claim 2 or 8, wherein the fixing body [[(5)]] has two slots [[(39)]] arranged facing each other in the inside walls of the side branches so that once the bracing rod [[(3)]] has been installed they guide the pins of the tool on the fixing body and they enable the shoe [[(36)]] to be indexed while out of sight between the side branches [[(13)]].
- 10. (currently amended) An implant according to claim 9, characterized in that wherein the nut [[(33)]] has a shoe [[(36)]] with two notches [[(38)]] being formed on the side edges thereof, said notches opening out into the gaps [[(37)]] and being designed to receive and position pins of the tool.
- 11. (currently amended) An implant according to claim 8, characterized in that wherein the nut [[(33)]] has means [[(43, 44)]] enabling the shoe to be mounted by snap-fastening, which shoe is free to rotate relative to the nut once it has been mounted.
- 12. (new) An implant according to claim 5, wherein the positioning ring and the closure cup present partly-spherical bores so as to define the reception housing for receiving the head of another screw.